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#415 2641  
PATENT

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re  
Application No.09/773,831  
Chienchung Chang, et al.

)  
) For: **DISTRIBUTED VOICE**  
) **RECOGNITION SYSTEM USING**  
) **ACOUSTIC FEATURE VECTOR**  
) **MODIFICATION**

Attorney Docket No. PA010029

Filed: January 31, 2001

) Group No. 2641

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR § 1.97(b)**

Assistant Commissioner of Patents  
Washington, D.C. 20231

Dear Sir:

Applicants, through their attorney, submit herewith references of which they are aware, which they believe may be material to the examination of this application and with respect to which there may be a duty to disclose in accordance with 37 CFR § 1.56.

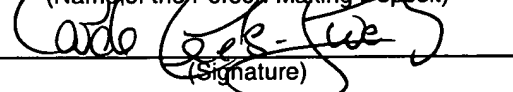
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the Assistant Commissioner of Patents, Washington, D.C. 20231, on:

04/23/2001

(Date of Deposit)

Carola Emelius-Swartz

(Name of the Person Making Deposit)

  
(Signature)

04/23/2001

(Date of Signature)

While the references identified herein may be material to the examination of this application pursuant to 37 CFR § 1.56, the citation of these references is not intended to constitute an admission that any reference referred to herein is prior art to the invention of this application unless specifically designated as such.


The filing of this document shall not be construed to mean that any search has been made or, that if made such search was complete or exhaustive, or that no other material information as defined in 37 CFR § 1.56 exists.

A list of the references cited herein is set forth on Form PTO-1449 which is enclosed herewith in duplicate along with a copy of each cited reference. Applicants respectfully request that the Examiner return to Applicants the enclosed copy of the Form PTO-1449 indicating consideration of the references.

The subject application is believed patentable over any of the above-references.

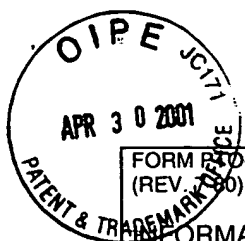
Respectfully submitted,

Dated: 04/23/2001

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Encl.: 1. Form PTO 1449  
2. Copies of references cited on Form PTO-1449

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE  
(REV. 7-90) PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
PA010029APPLICATION NO.  
09/773,831INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
(Use several sheets if necessary)APPLICANT  
CHANG, ET AL.FILING DATE  
01/31/2001GROUP  
2641

DATE MAILED: 04/23/2001

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	Ref No	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPRO- PRIATE
	A1	5,956,683	09/21/1999	Jacobs, et al.			
	A2						
	A3						
	A4						
	A5						
	A6						
	A7						

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	Ref No	DOCUMENT NUMBER	DATE	COUNTRY	NAME	CLASS	SUB CLASS
	B1						
	B2						
	B3						

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Page, Etc.)

	C1	C.J. Leggetter, et al., "Maximum Likelihood Linear Regression for Speaker Adaptation of Continuous Density Hidden Markov Models," Department of Engineering, University of Cambridge (UK). Computer Speech and Language, Academic Press Limited, 1995. (pgs. 171-185) •
	C2	Jun-ichi Takahashi, et al., "Vector-Field-Smoothed Bayesian Learning for Fast and Incremental Speaker/Telephone-Channel Adaptation," Advanced LSI Laboratory, NTT Human Interface Laboratories; Computer Speech and Language, 1997. (pgs. 127-146) •
	C3	
EXAMINER		
DATE CONSIDERED		
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		